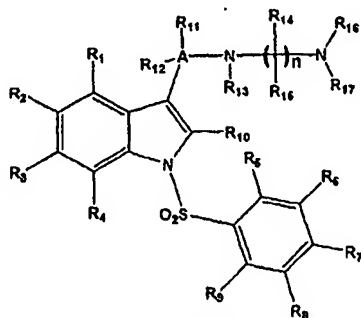


AMENDMENTS TO CLAIMS

This listing of claims will all prior version and listing of claims in this application.

Claim 1 (Currently Amended): A compound of the general formula (I),



General Formula (I)

its derivative, its analog, its tautomeric form, its stereoisomer, its geometric form, its N-oxide, its polymorph, its pharmaceutically acceptable salt, or its pharmaceutically acceptable solvate, wherein

A may be Carbon only;

wherein R₁, R₂, R₃, R₄, R₅, R₆, R₇, R₈, R₉, R₁₀, R₁₁, R₁₂, R₁₄ and R₁₅ may be same or different and may be same or different and each independently represent hydrogen, halogen, oxo, thio, perhaloalkyl, hydroxy, amino, nitro, cyano, formyl, amidino, guanidino, substituted or unsubstituted groups selected from linear or branched (C₁-C₁₂)alkyl, (C₂-C₁₂)alkenyl, (C₂-C₁₂)alkynyl, (C₃-C₇)cycloalkyl, (C₃-C₇)cycloalkenyl, bicycloalkyl, bicycloalkenyl, (C₁-C₁₂)alkoxy, cyclo(C₃-C₇)alkoxy, aryl, aryloxy, aralkyl, aralkoxy, heterocyclalkyloxy, acyl, acyloxy, acylamino, monoalkylamino, dialkylamino, arylamino, diarylamino, aralkylamino, alkoxycarbonyl, hydroxyalkyl, aminoalkyl, monoalkylaminoalkyl, dialkylaminoalkyl, alkoxyalkyl, alkylthio, thioalkyl, alkoxycarbonylamino, aryloxy carbonylamino, aralkyloxy carbonylamino, aminocarbonylamino, alkylaminocarbonylamino, dialkylaminocarbonylamino, alkylamidino,

alkylguanidino, dialkylguanidino, carboxylic acid and its derivatives, sulfonic acids and its derivatives;

A represents "Carbon" only;

~~R₁, R₂, R₃, R₄, R₅, R₆, R₇, R₈, R₉, R₁₀, R₁₁, R₁₂, R₁₃ and R₁₅ may be same or different and may be same or different and each independently represent hydrogen, halogen, oxo, thio, perhaloalkyl, hydroxyl, amino, nitro, cyano, formyl, amidino, guanidino, substituted or unsubstituted groups selected from linear or branched (C₁-C₁₂) alkyl, (C₂-C₁₂) alkenyl, (C₂-C₁₂) alkynyl, (C₃-C₇) cycloalkyl, (C₃-C₇) cycloalkenyl, bicycloalkyl, bicycloalkenyl, (C₁-C₁₂) alkoxy, (C₃-C₇) alkoxy, aryl, aryloxy, aralkyl, aralkoxy, acyl, acyloxy, acylamino, monoalkylamino, dialkylamino, arylamino, diarylamino, aralkylamino, alkoxycarbonyl, hydroxyalkyl, aminoalkyl, monoalkylaminoalkyl, dialkylaminoalkyl, alkoxyalkyl, alkylthio, thioalkyl, alkoxycarbonylamino, aryloxy carbonylamino, aralkyloxy carbonylamino, aminocarbonylamino, alkylaminocarbonylamino, dialkylaminocarbonylamino, alkylamidino, alkylguanidino, dialkylguanidino, carboxylic acid and its derivatives, sulfonic acids and its derivatives;~~

R₁₆ and R₁₇ may be the same or different and each independently represents Hydrogen, substituted or unsubstituted groups selected from linear or branched (C₁- C₁₂) alkyl, (C₂-C₁₂) alkenyl, (C₂-C₁₂) alkynyl, (C₃-C₇) cycloalkyl, (C₃-C₇) cycloalkenyl, bicycloalkyl, bicycloalkenyl, aryl, aralkyl, heteroaryl or heterocyclylalkyl;

R₁₃ along with either R₁₆ or R₁₇ and the two nitrogen atoms may form a piperazine or diazepine ring, which may be further substituted with R₁₄ and R₁₅.

Claim 2 (Original): A compound according to Claim -1 which is selected from:

1-Benzenesulfonyl-3-(4-methylpiperazin-1-ylmethyl)-5-nitro-1 H-indole;

1-(4-Methylbenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-5-nitro-1 H-indole;

1-(4-Bromobenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-5-nitro-1 H-indole;

1-(4-Fluorobenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-5-nitro-1H-indole;
1-(4-Methoxybenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-5-nitro-1 H-indole;
1-(4-Isopropylbenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-5-nitro-1 H-indole;
1-(2-Bromobenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-5-nitro-1 H-indole;
1-(2-Bromobenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-5-nitro-1 H-indole
hydrochloride salt;
1-(2-Bromo-4-methoxybenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-5-nitro-1 H-
indole;
4,5,6-Trichloro-1-benzenesulfonyl-3-(4-methylpiperazin-1-ylmethyl)-1 H-indole;
4,5,6-Trichloro-1- (4-methylbenzenesulfonyl)-3- (4-methylpiperazin-1-ylmethyl)-1 H-
indole;
1-(4-Bromobenzenesulfonyl)-4, 5, 6-trichloro-3- (4-methylpiperazin-1-ylmethyl)-1 H-
indole;
4,5, 6-Trichloro-1-(4-isopropylbenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-1H-
indole;
1-(2-Bromobenzenesulfonyl)-4, 5, 6-trichloro-3- (4-methylpiperazin-1-ylmethyl)-1 H-
indole;
1-(2-Bromo-4-methoxybenzenesulfonyl)-4, 5, 6-trichloro-3-(4-methylpiperazin- ylmethyl)-
1 H-indole;
1-Benzenesulfonyl-5-methoxy-3-(4-methylpiperazin-1-ylmethyl)-1H-indole;
1-(4-Methylbenzenesulfonyl)-5-methoxy-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole;
1-(4-Bromobenzenesulfonyl)-5-methoxy-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole;
1-(4-Isopropylbenzenesulfonyl)-5-methoxy-3- (4-methylpiperazin-1-ylmethyl)-1 H- indole;
1-(2-Bromobenzenesulfonyl)-5-methoxy-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole;
1-(2-Bromo-4-methoxybenzenesulfonyl)-5-methoxy-3- (4-methylpiperazin-1-ylmethyl)-
1H-indole;
1-(2-Bromo-4-methoxybenzenesulfonyl)-5-methoxy-3- (4-methylpiperazin-1-ylmethyl)- 1
H-indole hydrochloride salt;
1-(4-methoxybenzenesulfonyl)-5-methoxy-3- (4-methylpiperazin-1-ylmethyl)-1 H- indole;
1-(4-Fluorobenzenesulfonyl)-5-methoxy-3- (4-methylpiperazin-1-yimethyl)-1 H-indole;
5-Bromo1-(4-fluorobenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-1H-indole;

5-Bromo-1- (4-fluorobenzenesulfonyl)-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole hydrochloride salt;

5-Bromo-1- (4-fluorobenzenesulfonyl)-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole maleate salt;

5-Bromo-1- (4-fluorobenzenesulfonyl)-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole citrate salt;

5-Bromo-1-(4-methoxybenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-1H-indole;

5-Bromo-1- (benzenesulfonyl)-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole;

5-Bromo-1- (4-methylbenzenesulfonyl)-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole;

5-Bromo-1-(4-bromobenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-1H-indole;

5-Bromo-1-(4-isopropylbenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-1H-indole;

5-Bromo-1-(2-bromobenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-1H-indole;

5-Bromo-1- (2-bromobenzenesulfonyl)-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole hydrochloride salt;

5-Bromo-1-(2-bromo-4-methoxybenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)- 1 H-indole;

4-Bromo-1- (4-fluorobenzenesulfonyl)-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole;

4-Bromo-1- (4-methoxybenzenesulfonyl)-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole;

4-Bromo-1-(4-isopropylbenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-1H-indole;

(1-Benzenesulfonyl-1 H-indol-3-yl)- (4-methylpiperazin-1-yl) methanone;

[1-(4-Methylbenzenesulfonyl)-1 H-indol-3-yl]- (4-methylpiperazin-1-yl) methanone;

[1-(4-Isopropylbenzenesulfonyl)-1 H-indol-3-yl]- (4-methylpiperazin-1-yl) methanone;

[1-(2-Bromobenzenesulfonyl)-1 H-indol-3-yl]- (4-methylpiperazin-1-yl) methanone;

[1-(2-Bromo-4-methoxybenzenesulfonyl)-1 H-indol-3-yl]- (4-methylpiperazin-1- yl) methanone;

(1-Benzenesulfonyl)-5-nitro-1- H-indol-3-yl)- (4-methylpiperazin-1-yl) methanone;

[1-(4-Methylbenzenesulfonyl)-5-nitro-1 H-indol-3-yl]- (4-methylpiperazin-1- yl) methanone;

[1-(4-Fluorobenzenesulfonyl)-5-nitro-1 H-indol-3-yl]- (4-methylpiperazin-1- yl) methanone;

[1-(4-Bromobenzenesulfonyl)-5-nitro-1H-indol-3-yl]-(4-methylpiperazin-1-yl) methanone;

[1-(4-Isopropylbenzenesulfonyl)-5-nitro-1 H-indol-3-yl]- (4-methylpiperazin-1- yl) methanone;

[1-(2-Bromobenzenesulfonyl)-5-nitro-1 H-indol-3-yl]- (4-methylpiperazin-1- yl) methanone;

[1-(4-Methoxybenzenesulfonyl)-5-nitro-1 H-indol-3-yl]- (4-methylpiperazin-1- yl) methanone;

[1-(2-Bromo-4-methoxybenzenesulfonyl)-5-nitro-1 H-indol-3-yl]- (4-methylpiperazin-1- yl) methanone;

1-Benzenesulfonyl-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole;

1-(4-Methylbenzenesulfonyl)-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole;

1-(4-Fluorobenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-1H-indole;

1-(4-Bromobenzenesulfonyl)-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole;

1-(4-Isopropylbenzenesulfonyl)-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole;

1-(2-Bromobenzenesulfonyl)-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole;

1-(2-Bromobenzenesulfonyl)-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole hydrochloride salt;

1-(2-Bromo-4-methoxybenzenesulfonyl)-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole;

1-(2-Bromo-4-methoxybenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-1 H-indole hydrochloride salt;

1-(4-methoxybenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-1H-indole;

1-(2-Bromo-4-methoxybenzenesulfonyl)-5-chloro-2-methyl-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole;

5-Chloro-1-(4-fluorobenzenesulfonyl)-2-methyl-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole;

1-(4-Bromobenzenesulfonyl)-5-chloro-2-methyl-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole;

5-Chloro-1-(4-Isopropylbenzenesulfonyl)-2-methyl-3-(4-methylpiperazin-1-ylmethyl)- 1 H-indole;

1-Benzenesulfonyl-5-chloro-2-phenyl-3- (4-methylpiperazin-1-ylmethyl)-1 H-indole;

5-Chloro-1-(4-methylbenzenesulfonyl)-2- phenyl-3- (4-methylpiperazin-1-ylmethyl)- 1 H-indole;

1-(Benzenesulfonyl)-5-fluoro-2-phenyl-3-(4-methylpiperazin-1-ylmethyl)-1H-indole;
5-Fluoro-1-(4-methylbenzenesulfonyl)-2-phenyl-3-(4-methylpiperazin-1-ylmethyl)-1H-indole;
1-(4-Bromobenzenesulfonyl)-5-chloro-2-phenyl-3-(4-methylpiperazin-1-ylmethyl)-1H-indole;
1-(2-Bromobenzenesulfonyl)-5-cyano-3-(4-methylpiperazin-1-ylmethyl)-1H-indole;
5-Cyano-1-(4-methoxybenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-1H-indole;
5-Cyano-1-(4-fluorobenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-1H-indole;
1-(4-Bromobenzenesulfonyl)-5-cyano-3-(4-methylpiperazin-1-ylmethyl)-1H-indole;
5-Cyano-1-(4-isopropylbenzenesulfonyl)-3-(4-methylpiperazin-1-ylmethyl)-1H-indole;
N-(1-(4-Fluorobenzenesulfonyl)-1H-indol-3-yl)methyl-N,N',N'-trimethylethylene-1,2-diamine;
N-(1-(4-Fluorobenzenesulfonyl)-1H-indol-3-yl)methyl-N,N',N'-trimethylethylene-1,2-diamine hydrochloride salt;
N-(1-(4-Bromobenzenesulfonyl)-5-bromo-1H-indol-3-yl)methyl-N,N',N'-trimethylethylene-1,2-diamine;
N-(1-(4-Bromobenzenesulfonyl)-5-bromo-1H-indol-3-yl)methyl-N,N',N'-trimethylethylene-1,2-diamine hydrochloride salt;
N-(5-Bromo-1-(4-methoxybenzenesulfonyl)-1H-indol-3-yl)methyl-N,N',N'-trimethylethylene-1,2-diamine;
N-(1-(4-Methoxybenzenesulfonyl)-5-nitro-1H-indol-3-yl)methyl-N,N',N'-trimethylethylene-1,2-diamine;
N-(1-(4-Methoxybenzenesulfonyl)-5-nitro-1H-indol-3-yl)methyl-N,N',N'-trimethylethylene-1,2-diamine hydrochloride salt;
N-(1-(2-Bromobenzenesulfonyl)-5-bromo-1H-indol-3-yl)methyl-N,N',N'-trimethylethylene-1,2-diamine;
1-(2-Bromobenzenesulfonyl)-3-(4-(3-chlorobenzene-1-yl)piperazin-1-ylmethyl)-1H-indole;
1-(4-Methoxybenzenesulfonyl)-3-(4-(2-methoxybenzene-1-yl)piperazin-1-ylmethyl)-1H-indole;
1-(2-Bromo-4-methoxybenzenesulfonyl)-3-(4-(2-methoxybenzene-1-yl)piperazin-1-ylmethyl)-1H-indole;

1-(4-Isopropylbenzenesulfonyl)-3- (4- (2-methoxybenzene-1-yl) piperazin-1-ylmethyl)- 1 H-indole;

5-Bromo-1-(4-fluorobenzenesulfonyl)-3-(4-(2-methoxybenzene-1-yl)piperazin-1-ylmethyl)-1 H-indole;

5-Bromo-1-(4-methoxybenzenesulfonyl)-3- (4- (2-methoxybenzene-1-yl) piperazin-1-ylmethyl)-1 H-indole;

5-Bromo-1-(4-isopropylbenzenesulfonyl)-3-(4-(2-methoxybenzene-1-yl)piperazin-1-ylmethyl)-1 H-indole;

1-(4-Fluorobenzenesulfonyl)-5-methoxy-3-(4-(2-methoxybenzene-1-yl) piperazin-1-ylmethyl)-1 H-indole;

1-(4-Fluorobenzenesulfonyl)-5-methoxy-3-(4-(2-methoxybenzene-1-yl) piperazin-1-ylmethyl)-1 H-indole hydrochloride salt;

1-(4-Methoxybenzenesulfonyl)-5-methoxy-3- (4- (2-methoxybenzene-1-yl) piperazin-1-ylmethyl)-1 H-indole;

1-(4-Isopropylbenzenesulfonyl)-5-methoxy-3- (4- (2-methoxybenzene-1-yl) piperazin-1-ylmethyl)-1H-indole;

1-(4-Fluorobenzenesulfonyl)-3-(4-pyridin-2-yl)piperazin-1-ylmethyl)-1H-indole;

1-(4-Methoxybenzenesulfonyl)-3- (4- (pyridin-2-yl) piperazin-1-ylmethyl)-1 H-indole;

1-(4-Isopropylbenzenesulfonyl)-3-(4-(pyridin-2-yl)piperazin-1-ylmethyl)-1H-indole ;

1-(2-Bromobenzenesulfonyl)-3- (4- (pyridin-2-yl) piperazin-1-ylmethyl)-1 H-indole;

1-(2-Bromo-4-methoxybenzenesulfonyl)-3- (4- (pyridin-2-yl) piperazin-1-ylmethyl)-1 H-indole;

5-Bromo-1-(4-fluorobenzenesulfonyl)-3- (4- (pyridin-2-yl) piperazin-1-ylmethyl)-1 H-indole;

5-Bromo-1-(4-methoxybenzenesulfonyl)-3- (4- (pyridin-2-yl) piperazin-1-ylmethyl)-1 H-indole;

5-Bromo-1-(4-isopropylbenzenesulfonyl)-3- (4- (pyridin-2-yl) piperazin-1-ylmethyl)-1 H-indole;

1-(4-Fluorobenzenesulfonyl)-5-methoxy-3- (4- (pyridin-2-yl) piperazin-1-ylmethyl)-1 H-indole;

1-(4-Methoxybenzenesulfonyl)-5-methoxy-3- (4- (pyridin-2-yl) piperazin-1-ylmethyl)-1 H-indole;

1-(4-Isopropylbenzenesulfonyl)-5-methoxy-3- (4- (pyridin-2-yl) piperazin-1-ylmethyl)- 1 H-indole;

1-(4-Isopropylbenzenesulfonyl)-5-methoxy-3- (4- (benzyl) piperazin-1-ylmethyl)-1 H-indole;

1-(4-Methoxybenzenesulfonyl)-5-methoxy-3- (4- (benzyl) piperazin-1-ylmethyl)-1 H-indole;

1-(4-Isopropylbenzenesulfonyl)-3- (4- (benzyl) piperazin-1-ylmethyl)-1 H-indole;

1-(4-Methoxybenzenesulfonyl)-3- (4- (benzyl) piperazin-1-ylmethyl)-1 H-indole;

1-(2-Bromo-4-methoxybenzenesulfonyl)- 3- (4- (benzyl) piperazin-1-ylmethyl)-1 H-indole;

1-(Benzenesulfonyl)-3-(4-(benzyl)piperazin-1-ylmethyl)-1H-indole;

1-(4-Methoxybenzenesulfonyl)-3-2- [1, 4] Diazepan-1-ylmethyl-1 H-indole;

(R, S) 1- (1-Benzenesulfonyl-indol-3-yl)-1- (4-methylpiperazin-1-yl) ethane;

(R) 1- (1-Benzenesulfonyl-indol-3-yl)-1- (4-methylpiperazin-1-yl) ethane;

(S) 1- (1-Benzenesulfonyl-indol-3-yl)-1- (4-methylpiperazin-1-yl) ethane;

(R, S) 1- [1- (4-Methylbenzenesulfonyl) indol-3-yl]-1- (4-methylpiperazin-1-yl) ethane;

(R) 1- [1- (4-Methylbenzenesulfonyl) indol-3-yl]-1- (4-methylpiperazin-1-yl) ethane;

(S) 1- [1- (4-Methylbenzenesulfonyl) indol-3-yl]-1- (4-methylpiperazin-1-yl) ethane;

(R, S) 1-[1-(4-Methoxybenzenesulfonyl) indol-3-yl]-1-(4-methylpiperazin-1-yl) ethane;

(R) 1-[1-(4-Methoxybenzenesulfonyl) indol-3-yl]-1-(4-methylpiperazin-1-yl) ethane;

(S) 1- [1- (4-Methoxybenzenesulfonyl) indol-3-yl]-1- (4-methylpiperazin-1-yl) ethane;

(R, S) 1- [1- (4-Isopropylbenzenesulfonyl) indol-3-yl]-1- (4-methylpiperazin-1-yl) ethane;

(R) 1-[1-(4-Isopropylbenzenesulfonyl) indol-3-yl]-1-(4-methylpiperazin-1-yl) ethane;

(S) 1- [1- (4-Isopropylbenzenesulfonyl) indol-3-yl]-1- (4-methylpiperazin-1-yl) ethane;

1-(4-Fluorobenzenesulfonyl)-1H-indole-3-carboxylic acid N-(N, N- dimethylaminoethyl)-N-methylamide;

1-(4-Methoxybenzenesulfonyl)-1H-indole-3-carboxylic acid N- (N, N- dimethylaminoethyl)-N-methylamide;

1-(4-Isopropylbenzenesulfonyl)-1 H-indole-3-carboxylic acid N- (N', N'- dimethylaminoethyl)-N-methylamide;

(R, S) α - [1- (4-Methoxybenzenesulfonyl)-1 H-indol-3-yl]- α - (4-methylpiperazin-1- yl) acetonitrile;

(R) α - [1- (4-Methoxybenzenesulfonyl)-1H-indol-3-yl]- α - (4-methylpiperazin-1- y,) acetonitrile;

(S) α -[1-(4-Methoxybenzenesulfonyl)-1 H-indol-3-yl]- α -(4-methylpiperazin-1-yl) acetonitrile;

(R, S) α -[1-(Benzenesulfonyl)-1 H-indol-3-yl]- α -(4-methylpiperazin-1-yl) acetonitrile;

(R) α -[1-(Benzenesulfonyl)-1 H-indol-3-yl]- α -(4-methylpiperazin-1-yl) acetonitrile ;

(S) α -[1-(Benzenesulfonyl)-1 H-indol-3-yl]- α -(4-methylpiperazin-1-yl) acetonitrile;

(R, S) α -[1-(4-Isopropylbenzenesulfonyl)-1H-indol-3-yl]- α -(4-methylpiperazin-1-yl)-acetonitrile;

(R) α -[1-(4-Isopropylbenzenesulfonyl)-1 H-indol-3-yl]- α -(4-methylpiperazin-1-yl)-acetonitrile;

(S) α -[1-(4-Isopropylbenzenesulfonyl)-1H-indol-3-yl]- α -(4-methylpiperazin-1-yl)-acetonitrile;

1-(Benzenesulfonyl)-3-(4-(benzyloxycarbonyl)-piperazin-1-yl methyl)-1 H-indole;

1-(Benzenesulfonyl)-3-(4H-piperazin-1-ylmethyl)-1 H-indole;

1-(4-Methoxybenzenesulfonyl)-3-(4H-piperazin-1-ylmethyl)-1 H-indole

1-(4-Isopropylbenzenesulfonyl)-3-(4H-piperazin-1-ylmethyl)-1 H-indole

1-(2-Bromo-4-methoxybenzenesulfonyl)-3-(4H-piperazin-1-ylmethyl)-1 H-indole

5-Bromo-1-(benzenesulfonyl)-3-(4H-piperazin-1-ylmethyl)-1 H-indole;

5-Bromo-1-(4-methoxybenzenesulfonyl)-3-(4H-piperazin-1-ylmethyl)-1 H-indole

5-Bromo-1-(4-isopropylbenzenesulfonyl)-3-(4H-piperazin-1-ylmethyl)-1 H-indole

5-Bromo-1-(2-bromo-4-methoxybenzenesulfonyl)-3-(4H-piperazin-1-ylmethyl)-1H-indole

1-[[1-(4-Isopropylbenzenesulfonyl)-indol-3-yl]methyl] [1, 4] diazepane

1-[[1-(2-Bromo-4-methoxybenzenesulfonyl)-indol-3-yl]methyl] [1,4] diazepane

1-[(1-(4-methylbenzenesulfonyl)-indol-3-yl) methyl] [1,4] diazepane

1-[[5-Bromo-1-(4-Methoxybenzenesulfonyl)-indol-3-yl]methyl][1, 4] diazepane

1-[[5-Bromo-1-(4-Isopropylbenzenesulfonyl)-indol-3-yl]methyl][1, 4] diazepane

1-[[5-Bromo-1-(2-Bromo-4-methoxybenzenesulfonyl)-indol-3-yl]methyl][1, 4] diazepane

1-[(5-Bromo-1-(4-methylbenzenesulfonyl)-indol-3-yl) methyl] [1,4] diazepane and their pharmaceutically acceptable salts, polymorphs and solvates.

Claim 3 (Original): A pharmaceutical composition comprising either of a pharmaceutically acceptable carrier, a diluent, excipients or solvate along with a therapeutically effective amount of a compound according to claim-1, its derivative, its analogs, its tautomeric forms, its stereoisomers, its geometric forms, its N-oxides, its polymorphs, its pharmaceutically acceptable salts, or its pharmaceutically acceptable solvates.

Claim 4 (Original): A pharmaceutical composition according to claim-3, in the form of a tablet, capsule, powder, syrup, injectable solution or suspension.

Claim 5 Cancelled.

Claim 6 (Previously Presented): Use of compound of general formula (I), claim 1 for treatment of a patient where a modulation of 5-HT activity is the preferred active site.

Claim 7 (Previously Presented): Use of a compound as claimed in claim 1 for the treatment and/or prevention of clinical conditions for which a selective action on 5-HT receptors is indicated.

Claims 8-12 Cancelled.

Claim 13 (Previously Presented): Use of a compound as claimed in claim 1 in combination with a 5-HT re-uptake inhibitor, and/or a pharmaceutically acceptable salt thereof.

Claim 14 Cancelled.

Claim 15 (Original): A method for the treatment and/or prophylaxis of clinical conditions such as anxiety, convulsive disorders, obsessive-compulsive disorders, migraine headache, cognitive memory disorders, ADHD (Attention Deficient Disorder/Hyperactivity Syndrome), personality disorders, psychosis, paraphrenia, psychotic depression, mania, schizophrenia, schizophreniform disorders, withdrawal from drug abuse, panic attacks, sleep disorders and also disorders associated with spinal trauma and/or head injury which comprises administering to a patient in need thereof, an effective amount of a compound of general formula (I) as claimed in claim 1.

Claim 16 (Original): A method for the treatment and/or prophylaxis of mild cognitive impairment and other neurodegenerative disorders like Alzheimer's disease, Parkinsonism and Huntington's chorea which comprises administering to a patient in need thereof, an effective amount of a compound of general formula (I) as claimed in claim 1.

Claim 17-19 Cancelled.

Claim 20 (Currently Amended): A process for the preparation of a compound of general formula (I) in accordance with Claim 1 wherein A may be -CH₂-, -C=O or -SO₂-; R₁₁ and R₁₂, refer to substitutions on the carbon whenever A is CH₂;

wherein R₁, R₂, R₃, R₄, R₅, R₆, R₇, R₈, R₉, R₁₀, R₁₁, R₁₂, R₁₄ and R₁₅ may be the same or different and may be same or different and each independently represent hydrogen, halogen, oxo, thio, perhaloalkyl, hydroxy, amino, nitro, cyano, formyl, amidino, guanidino, substituted or unsubstituted groups selected from linear or branched (C₁-C₁₂)alkyl, (C₂-C₁₂)alkenyl, (C₂-C₁₂)alkynyl, (C₃-C₇)cycloalkyl, (C₃-C₇)cycloalkenyl, bicycloalkyl, bicycloalkenyl, (C₁-C₁₂)alkoxy, cyclo(C₃-C₇)alkoxy, aryl, aryloxy, aralkyl, aralkoxy, heterocyclylalkyloxy, acyl, acyloxy, acylamino,

monoalkylamino, dialkylamino, arylamino, diarylamino, aralkylamino, alkoxycarbonyl, hydroxyalkyl, aminoalkyl, monoalkylaminoalkyl, dialkylaminoalkyl, alkoxyalkyl, alkylthio, thioalkyl, alkoxycarbonylamino, aryloxy carbonylamino, aralkyloxy carbonylamino, aminocarbonylamino, alkylaminocarbonylamino, dialkylaminocarbonylamino, alkylamidino, alkylguanidino, dialkylguanidino, carboxylic acid and its derivatives, sulfonic acids and its derivatives;

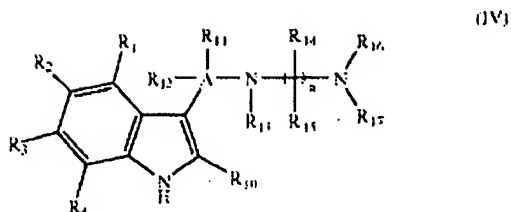
A represents "Carbon" only;

~~R₄, R₂, R₃, R₄, R₅, R₆, R₇, R₈, R₉, R₁₀, R₁₁, R₁₂, R₁₃, R₁₄ and R₁₅ may be same or different and each independently represent hydrogen, halogen, oxo, thio, perhaloalkyl, hydroxy, amino, nitro, cyano, formyl, amidino, guanidino, substituted or unsubstituted groups selected from linear or branched (C₁-C₁₂)alkyl, (C₂-C₁₂)alkenyl, (C₂-C₁₂)alkynyl, (C₃-C₇)cycloalkyl, (C₃-C₇)cycloalkenyl, bicycloalkyl, bicycloalkenyl, (C₁-C₁₂)alkoxy, cyclo(C₃-C₇)alkoxy, aryl, aryloxy, aralkyl, aralkoxy, acyl, acyloxy, acylamino, monoalkylamino, dialkylamino, arylamino, diarylamino, aralkylamino, alkoxycarbonyl, hydroxyalkyl, aminoalkyl, monoalkylaminoalkyl, dialkylaminoalkyl, alkoxyalkyl, alkylthio, thioalkyl, alkoxycarbonylamino, aryloxy carbonylamino, aralkyloxy carbonylamino, aminocarbonylamino, alkylaminocarbonylamino, dialkylaminocarbonylamino, alkylamidino, alkylguanidino, dialkylguanidino, carboxylic acid and its derivatives, sulfonic acids and its derivatives;~~

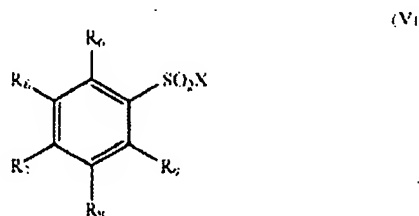
R₁₆ and R₁₇ may be the same or different and each independently represents Hydrogen, substituted or unsubstituted groups selected from linear or branched (C₁-C₁₂)alkyl, (C₂-C₁₂)alkenyl, (C₂-C₁₂)alkynyl, (C₃-C₇)cycloalkyl, (C₃-C₇)cycloalkenyl, bicycloalkyl, bicycloalkenyl, aryl, aralkyl or heterocyclylalkyl;

R₁₃ along with either R₁₆ or R₁₇ and the two nitrogen atoms may form a piperazine or diazepine ring, which may be further substituted with R₁₄ and R₁₅;

which comprises reacting a compound of formula (IV) given below,



wherein all the symbols are as defined earlier with a compound of formula (V),



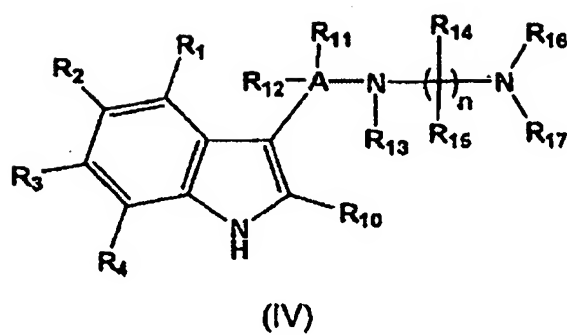
where all the symbols are as defined earlier; and X is halogen, preferably chloro, bromo or iodo.

Claims 21-25 Cancelled.

Claim 26 (Previously Presented): A process according to Claim 20 comprising of carrying out one or more of the following optional steps: i) removing any protecting group; ii) resolving the racemic mixture into pure enantiomers by the known methods and iii) preparing a pharmaceutically acceptable salt of a compound of formula (I) and/or (iv) preparing a pharmaceutically acceptable prodrug thereof.

Claims 27-30 Cancelled.

Claim 31 (Original): Novel compounds of general formula (IV) is defined below,



wherein all symbols are as defined earlier.

Claim 32 Cancelled.